

Environmental Response Team

KY Department for Environmental Protection

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24-Hour Spill Reporting

(800) 928-2380







Examples of Environmental Emergencies

- Transportation Accidents
 - Trucks
 - Wrecks
 - Punctured fuel tanks
 - Leaking cargo
 - Rail
 - Derailments
 - Leaking Cargo
 - Maritime
 - Commercial Vessels
 - Barges
 - Tugboats
 - Large pleasure craft

Examples of Environmental Emergencies (continued):

- “Hazmat” or Pollutant Spills or Threats of Spills
 - Soil
 - Water
 - Air
- Crude Oil Spills
 - Oil Wells
 - Tank Batteries
 - Flow Lines
 - Abandoned Facilities
- Natural Disasters
 - Flooding
 - Earthquakes
 - Tornadoes
- Note: We ***do not*** respond to Natural Gas leaks

Examples of Environmental Emergencies (continued):

- Major Water Outages or Potential Outages
 - Failed Infrastructure
 - Natural Disaster
 - Vandalism
- Major Wastewater Treatment Plant Failures
 - Forced Main Breaks
 - Large Bypasses
 - Structural Failure
- Dam Failures or Threatened Failure
- Leaking Underground Storage Tanks / Dispensers
- Anything that poses an immediate threat to human health and/or the environment

Statutory Definitions:

- Environment - The waters of the Commonwealth; land surface; surface and subsurface soils and strata; or ambient air within the Commonwealth or under the jurisdiction of the Commonwealth.
- Environmental Emergency - Any release or threatened release of materials into the environment in such quantities or concentrations as cause or threaten to cause an imminent and substantial danger to human health or the environment; the term includes, but is not limited to, discharges of oil and hazardous substances prohibited by Section 311(b)(3) of the Federal Clean Water Act - (Public Law 92-500), as amended.

Statutory Definitions (continued):

- Release - Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing hazardous substances, pollutants, or contaminants into the environment, including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance, pollutant, or contaminant.
- Threatened Release - A circumstance which presents a substantial threat of a release.

Statutory Definitions (continued):

- Petroleum and Petroleum Products - Crude oil, or any fraction thereof, which is liquid at standard conditions of temperature and pressure, which means at sixty (60) degrees Fahrenheit and 14.7 pounds per square inch absolute. The term includes motor gasoline, gasohol, other alcohol-blended fuels, diesel fuel, heating oil, special fuels, lubricants, and used oil.

Statutory Definitions (continued):

- Hazardous substance - Any substance or combination of substances including wastes of a solid, liquid, gaseous, or semi-solid form which, because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness, or pose a substantial present or potential hazard to human health or the environment. The substances may include but are not limited to those which are, according to criteria established by the cabinet, toxic, corrosive, ignitable, irritants, strong sensitizers, or explosive.
- Hazardous Materials - see 40 CFR Part 302
- Extremely Hazardous Substances - see 40 CFR Part 355
- Does *not* include petroleum or natural gas.
- Does *not* include radiation

Statutory Definitions (continued):

- Pollutant or contaminant (KRS 224.1-400) - Shall include, but not be limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring.
- Pollutant (KRS 224.1-010) - means and includes dredged spoil, solid waste, incinerator residue, sewage, sewage sludge, garbage, chemical, biological or radioactive materials, heat, wrecked or discarded equipment, rock, sand, soil, industrial, municipal or agricultural waste, and any substance resulting from the development, processing, or recovery of any natural resource which may be discharged into water;

KRS 224 Notification Requirements

- The responsible party shall immediately notify the Cabinet's Spill Reporting Hotline upon knowledge of a **release or threatened release** in excess of the reportable quantity

Reportable Quantities

- Petroleum
 - Any petroleum except diesel: 25 gallons or more
 - Diesel fuel: 75 gallons or more
 - Any amount that creates a sheen on a waterway
- Hazardous Materials
 - For Hazardous Substances: See 40 CFR Part 302
 - For Extremely Hazardous Substances: See 40 CFR Part 355
- Pollutants - Any quantity that poses an imminent threat to human health and/or the environment



What to do if you have a spill

- Make the necessary notifications
- Contain it
- Clean it up

“Licensed Environmental Contractor” Requirements



Cleanup Technologies for Soil or Pavement

- Absorbents
 - Booms, pads, pom-poms
 - Oil dry / kitty litter / pulverized clay / sawdust / mulch
 - Soil, other materials – be creative if necessary
 - The materials must be recovered
- Mechanical means
 - Vac Trucks
 - Power Brooms
 - Power washing with or without surfactants – products must be recovered
 - Excavation / Interceptor Trenches
- Bioremediation Agents - BioSolv, Micro-Blaze, Spill Mate, etc
- Petroleum Solidifiers

Cleanup Technologies for Water

- Absorbents
 - Booms, pads, pom-poms
 - Specific products contained in booms and pads
 - The materials must be recovered
- Solid Booms (aka River Boom or Hard Boom)
- Mechanical Means
 - Vac Trucks / Pumps / Skimmers
 - Dams / Underflow Dams / Siphon Dams
 - Certain products contained within booms and pads
 - Be creative if necessary
- Approved Petroleum Solidifiers - must be on the RRT Product Schedule

Unapproved Cleanup Technologies on water



- MicroBlaze, SpillMate, BioSolv
- Dawn or other surfactants
 - If you use these products on water, you may be cited for illegal discharge to Waters of the Commonwealth and stream degradation.



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MAPS & INFO
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SALES OFFICE





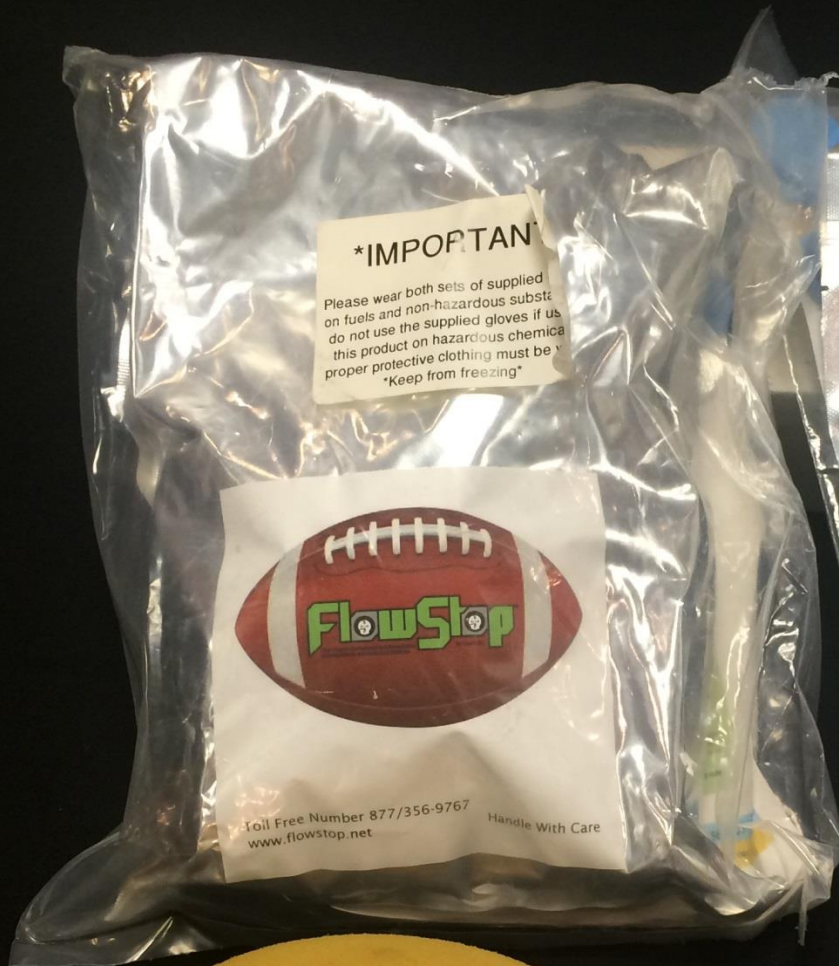
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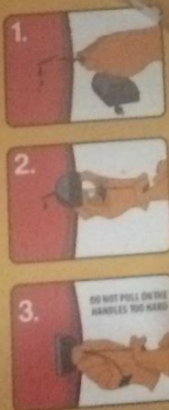


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